

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: DeRose, Richard
Freyssinet, Georges
- (ii) TITLE OF INVENTION: Maize H3C4 Promoter Combined With The
First Intron Of Rice Actin, Chimeric Gene Comprising It
And Transformed Plant
- (iii) NUMBER OF SEQUENCES: 5
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Connolly, Bove, Lodge, & Hutz
 - (B) STREET: 1220 Market Street
 - (C) CITY: Wilmington
 - (D) STATE: DE
 - (E) COUNTRY: USA
 - (F) ZIP: 19899
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 09/037,531
 - (B) FILING DATE: 10-MAR-1998
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: McMorow Jr., Robert G.
 - (B) REGISTRATION NUMBER: 30962
 - (C) REFERENCE/DOCKET NUMBER: 5500*24
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (302)658-9141

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 1021 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

CTTATGTGCA CCATTTACTG TAATGCATAA TCATTTAATT GAATAGCAAA CTTTTCTATT

| | |
|---|------|
| ACTTCTTTAC TAACATAATT CTTGGTTTTA AAATTCAGTC CTCAACATTC ATTGCTCAAG | 120 |
| TATAAGTTGA GACTGTCAAA ATTTACTATT TTATTTCTTC ATATTTTTTT TCCTTATACA | 180 |
| CATTTTGGGC CTTACAATCC ATCATCTATA TCCATCCTTT CCGGTGTCCT CTAAAAGATT | 240 |
| CCATCCTCTG AATCTTATTC CTCTCCAATA ACGTTCTCTA AATCAGGTCT CTATAAGCAA | 300 |
| TACCTATATT AGAGACATTT TTTATTTTTT GTACATACAT ATTTGTCATA CTCTCAAATG | 360 |
| CATTATACAT ATTTAGTTTT ACTAAACCGA TTATTTAAAG TATTCAAACG GATGAAGAAC | 420 |
| TGTTTAGATA AATTCTATAT ATAGAGAATC CAGTAGCGTT CTCTAAATTT AGATGATTAT | 480 |
| TTAGAGGACG CTGTTAGAAA ACGTAAAAAA TTCTTTGATT ATTTATATTT AGGGTAGAGT | 540 |
| AGCCTTTATG CTTTATAGAT CTTTGGTGGA CCCAGCCTTA TACCGGTTAT TTTGCGGATT | 600 |
| GCGCCTCTCA TTTTCACTCC AGCGCCCCAC ATTTTCACGT TTTCAACGAA GCGCCCAGCC | 660 |
| TGCCTAACCA ACAAATTGGT ACGGTGGCGC GGTTTTCAAA AGAAGTCGGA AACCATCTGC | 720 |
| ACCCACCGAC TAGTAGGCCC TCGGATCCTC CCTGATTAAG TCCTAGCCAA TAGGAGCCCA | 780 |
| GAACCACCCA TCACGCGGAT CGTCCCTACG CTTCCACCTC ATCGGCGCCG TCCATCTCCA | 840 |
| TCCAACACCT ATTCCGTTAC CTTGCCCATC CTCCGAAAAA ATTCTCGGCT CGCGCTCCGC | 900 |
| ACCTACTACA AATACCCATC CCATCACGAC GCATCGCATC ACTGCCAAAT CCCCCAGAAA | 960 |
| ATCAACACCT CCCAATTCCA CGCTGCCACC AACTCGCCGT CCTCCGCGCC AAGCACCAAA | 1020 |
| G | 1021 |

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 454 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

| | |
|---|-----|
| GTAACCACCC CGCCCCTCTC CTCTTTCTTT CTCCGTTTTT TTTTTCGTCT CGGTCTCGAT | 60 |
| CTTTGGCCTT GGTAGTTTGG GTGGGCGAGA GCGGCTTCGT CGCCAGATC GGTGCGCGGG | 120 |
| AGGGGCGGGA TCTCGCGGCT GCGTCTCCG GCGGTGAGTC GGCCCGGATC CTCGCGGGGA | 180 |
| ATGGGGCTCT CGGATGTAGA TCTGATCCGC CGTTGTTGGG GGAGATGATG GGGCGTTTAA | 240 |

| | |
|---|-----|
| AATTTTCGCCA TGCTAAACAA GATCAGGAAG AGGGGAAAAG GGCACATATGG TTTATATTTT | 300 |
| TATATATTTT TGCTGCTGCT CGTCAGGCTT AGATGTGCTA GATCTTTCTT TCTTCTTTTT | 360 |
| GTGGGTAGAA TTTGAATCCC TCAGCATTGT TCATCGGTAG TTTTCTTTT CATGATTTGT | 420 |
| GACAAATGCA GCCTCGTGCG GAGCTTTTTT GTAG | 454 |

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS:
- (A) LENGTH: 1565 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

| | |
|---|------|
| GAATTCCTGC AGGTCGACGG ATCCCCCTTA TGTGCACCAT TTACTGTAAT GCATAATCAT | 60 |
| TTAATTGAAT AGCAAACCTT TCTATTACTT CTTTACTAAC ATAATTCTTG GTTTTAAAAT | 120 |
| TCAGTCCTCA ACATTCATTG CTCAAGTATA AGTTGAGACT GTCAAAATTT ACTATTTTAT | 180 |
| TTCTTCATAT TTTTTTCTCT TATACACATT TTGGGCCTTA CAATCCATCA TCTATATCCA | 240 |
| TCCTTTCCGG TGTCTCTAA AAGATTCCAT CCTCTGAATC TTATTCCTCT CCAATAACGT | 300 |
| TCTCTAAATC AGGTCTCTAT AAGCAATACC TATATTAGAG ACATTTTTTA TTTTTGTAC | 360 |
| ATACATATTT GTCATACTCT CAAATGCATT ATACATATTT AGTTTTACTA AACCGATTAT | 420 |
| TTAAAGTATT CAAACGGATG AAGAACTGTT TAGATAAATT CTATATATAG AGAATCCAGT | 480 |
| AGCGTTCTCT AAATTTAGAT GATTATTTAG AGGACGCTGT TAGAAAACGT AAAAAATTCT | 540 |
| TTGATTATTT ATATTTAGGG TAGAGTAGCC TTTATGCTTT ATAGATCTTT GGTGGACCCA | 600 |
| GCCTTATACC GGTTATTTTC GCGATTGCGC CTCTCATTTT CACTCCAGCG CCCCACATTT | 660 |
| TCACGTTTTT ACCGAAGCGC CCAGCCTGCC TAACCAACAA ATTGGTACGG TGGCGCGGTT | 720 |
| TTCAAAAGAA GTCGGAAACC ATCTGCACCC ACCGACTAGT AGGCCCTCGG ATCCTCCCTG | 780 |
| ATTAAGTCCT AGCCAATAGG AGCCGAGAAC CACCCATCAC GCGGATCGTC CCTACGCTTC | 840 |
| CACCTCATCG GCGCCGTCCA TCTCCATCCA ACACCTATTC CGTTACCTTG CCCATCCTCC | 900 |
| GAAAAAATTC TCGGCTCGCG CTCCGCACCT ACTACAAATA CCCATCCCAT CACGACGCAT | 960 |
| CGCATCACTG CCAAATCCCC CAGAAAATCA ACACCTCCCA ATTCCACGCT GCCACCAACT | 1020 |
| CGCCGTCTCT CGCGCCAAGC ACCAAAGGAA TTGGCCGCCA CCGCGGTGGA GTCCTCCCC | 1080 |

| | |
|--|------|
| CCTCCCCCTC CGCCGCCGCC GGTAACCACC CCGCCCCTCT CCTCTTTCTT TCTCCGTTTT | 1140 |
| TTTTTTCGTC TCGGTCTCGA TCTTTGGCCT TGGTAGTTTG GGTGGGCGAG AGCGGCTTCG | 1200 |
| TCGCCCAGAT CCGTGCGCGG GAGGGGCGGG ATCTCGCGGC TGGCGTCTCC GGGCGTGAGT | 1260 |
| CGGCCCCGAT CCTCGCGGGG AATGGGGCTC TCGGATGTAG ATCTGATCCG CCGTTGTTGG | 1320 |
| GGGAGATGAT GGGGCGTTTA AAATTTTCGCC ATGCTAAACA AGATCAGGAA GAGGGGAAAA | 1380 |
| GGGCACTATG GTTTATATTT TTATATATTT CTGCTGCTGC TCGTCAGGCT TAGATGTGCT | 1440 |
| AGATCTTTCT TTCTTCTTTT TGTGGGTAGA ATTTGAATCC CTCAGCATTG TTCATCGGTA | 1500 |
| GTTTTTCTTT TCATGATTTG TGACAAATGC AGCCTCGTGC GGAGCTTTTT TGTAGGTAGA | 1560 |
| CCATG | 1565 |

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 85 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

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|---|----|
| AGGGCCCCCT AGGGTTTAAA CGGCCAGTCA GGCCGAATTC GAGCTCGGTA CCCGGGGATC | 60 |
| CTCTAGAGTC GACCTGCAGG CATGC | 85 |

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 66 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: DNA (genomic)

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

| | |
|---|----|
| CCCTGAACCA GGCTCGAGGG CGCGCCTTAA TTAAAAGCTT GCATGCCTGC AGGTGCACTC | 60 |
| TAGAGG | 66 |